

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A device for the transfer of heat away from a heat source comprising:

a base having first and second surfaces, ~~the~~ said first surface being configured to be in ~~contact with~~ attached to a surface of said heat source;

a plurality of fins extending from said second surface of said base, said plurality of fins being integrated with said second surface;

a chamber disposed between said first surface and said second surface of said base;

a divider disposed between said first surface and said second surface within said chamber;

a cooling fluid disposed within said chamber;

a pump proximate an edge of said base, ~~the~~ said pump having a power cord connected to a power source, said pump being configured to circulate said cooling fluid within said chamber;

an inlet of said pump being proximate said first surface of said base to receive said cooling fluid in said chamber that is proximate said first surface; ~~and~~

an outlet of said pump that pumps said cooling fluid over a first surface of said divider; and

a plurality of flow dividers disposed upon a proximal surface of said divider, said plurality of flow dividers radiating outward from said outlet of said pump and passages between said flow dividers that carry fluid being narrower at said outlet of said pump.

Claims 2-3 (canceled)

Claim 4 (original): The device according to claim 1 further characterized in that said pump circulates said fluid within said chamber.

Claim 5 (original): The device according to claim 2 wherein said plurality of flow dividers are disposed upon said first surface of said divider in a pattern that maximizes heat transfer from said fluid to said fins.

Claim 6 (original): The device according to claim 1 characterized in that said pump is disposed within said chamber.

Claim 7 (canceled)

Claim 8 (original): The device according to claim 1 wherein said cooling fluid is chosen from the group consisting of alcohol, antifreeze, propylene glycol, water.

Claim 9 (original): The device according to claim 1 wherein said base and said fins are constructed of one of the following materials chosen from the group consisting of copper, aluminum, steel, plastic.

Claim 10 (original): The device according to claim 1 further including a fan attached to said fins.

Claim 11 (currently amended): The device according to claim 1, wherein said cooling fluid is contained within ~~the~~ said device.

Claim 12 (currently amended): A device for transferring heat away from a heat source, comprising:

a base having first and second surfaces, the first surface being configured to be in ~~contact with~~ attached to a surface of the heat source;

at least one fin extending from the second surface, the at least one fin being integrated with the second surface;

a chamber disposed between the first and second surfaces of the base;

a divider disposed between the first and second surfaces within the chamber; ~~and~~

a pump proximate to an edge of the base, the pump being configured to circulate a cooling fluid within the chamber; and

a plurality of flow dividers disposed upon a proximal surface of the divider, the plurality of flow dividers radiating outward from an outlet of the pump and passages between the flow dividers being narrower at the outlet of the pump relative to the edge of the base.

Claim 13 (currently amended): The device of claim 12, further comprising:

an inlet of the pump proximate to the first surface, the inlet being configured to receive the cooling fluid within the chamber; and

~~an~~ the outlet of the pump proximate to the second surface, the outlet being configured to pump the cooling fluid over the second surface.

Claim 14 (canceled)

Claim 15 (original): The device of claim 14, wherein the at least one flow divider is disposed upon the surface of the divider in a pattern that maximizes heat transfer from the cooling fluid to the at least one fin.

Claim 16 (original): The device of claim 12, wherein the cooling fluid is contained within the chamber.

Claim 17 (original): The device of claim 12, further comprising:
a fan attached to the at least one fin.